

IN THE CLAIMS:

The listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

Claim 1 (currently amended): A sealing arrangement for two relatively movable first and second parts ~~and~~, including a sealing ring positioned in a sealing ring seat formed as a groove on in a circumference of one of the parts for sealing contact against the other one of the parts, so as to separate a first side of the sealing ring from a second side of the sealing ring, ~~wherein the sealing ring is positioned in a sealing ring seat formed as a groove in the circumference of one of the parts,~~ characterized in that it includes said sealing arrangement comprising:

- liquid supply means for supplying liquid under pressure to the second side of the sealing ring, and
- means for balancing ~~the~~ a pressure of the supplied liquid in ~~the~~ a region of the sealing ring, ~~whereby~~ so that forces on the sealing ring resulting from the pressure prevailing on the first side of the sealing ring are counteracted and balanced in such a way that in operation the sealing ring is essentially free-floating in the groove.

Claim 2 (currently amended): The arrangement according to claim 1, ~~including~~
further comprising a valve device ~~which is set~~ to balance the pressure of the
supplied liquid in the area of the sealing ring.

Claim 3 (currently amended): The arrangement according to claim ~~1-2~~, wherein
the valve device is preset to limit the pressure of the supplied liquid.

Claim 4 (previously presented): The arrangement according to claim 3, wherein
the valve device is set to limit the pressure to about 80 – 100% of the pressure
inside the pressure chamber.

Claim 5 (currently amended): The arrangement according to claim 2,
~~characterized in that~~ wherein the valve device ~~is comprised of~~ includes a portion of
the sealing ring in co-operation with the sealing ring seat.

Claim 6 (currently amended): The arrangement according to claim 5,
~~characterized in that~~ wherein said portion of the sealing ring is a ring surface

directed from the first side which is arranged to co-operate with a surface of said seat.

Claim 7 (currently amended): The arrangement according to claim 5,
~~characterized in that~~ wherein said portion of the sealing ring is an edge portion or a separate sealing element directed radially from the element ~~it~~ said portion is intended to seal against.

Claim 8 (currently amended): The arrangement according to claim 3,
~~characterized in that~~ wherein the valve device is a pressure controlled valve which is separate from the sealing ring.

Claim 9 (currently amended): The arrangement according to claim 1,
~~characterized in~~ further comprising a sealing device for sealing between the relatively movable parts in a position opposite to the sealing ring as seen from the position of the means for liquid supply.

Claim 10 (previously presented): The arrangement according to claim 9, wherein said sealing device is formed by a first, high pressure seal member and a second, low pressure seal, and an intermediate space having a fluid outlet.

Claim 11 (previously presented): The arrangement according to claim 10, wherein the fluid outlet is a low pressure outlet for eliminating pressure build-up in the intermediate space.

Claim 12 (previously presented): The arrangement according to claim 1, wherein the first and second parts are relatively reciprocating.

Claim 13 (previously presented): The arrangement according to claim 12, wherein the first and second parts are a cylinder and a piston forming a pressure chamber.

Claim 14 (previously presented): The arrangement according to claim 1, wherein the first and second parts are relatively rotatable.

Claim 15 (previously presented): The arrangement according to claim 1, wherein at least one of the parts includes at least one outlet channel for supplied liquid.

Claim 16 (currently amended): A reciprocating piston device including a cylinder and a relatively movable piston and a sealing ring which is positioned in a seat formed as a groove in the circumference of one of the piston and the cylinder for sealing contact between the piston and the cylinder, so as to separate a first side of the sealing ring from a second side of the sealing ring, said piston and cylinder forming a pressure chamber, ~~characterized in that it includes~~ said piston device comprising:

- liquid supply means for supplying liquid under pressure to the second side of the sealing ring, and
- means for balancing ~~the~~ a pressure of the supplied liquid in ~~the~~ a region of the sealing ring, ~~whereby~~ so that forces on the sealing ring resulting from the pressure prevailing on the first side of the sealing ring are counteracted and balanced in such a way that in operation the sealing ring is essentially free-floating in the groove.

Claim 17 (currently amended): The device according to claim 16, ~~characterized in that~~ wherein the liquid supply means includes an enlarged piston portion for co-operation with an enlarged cylinder portion.

Claim 18 (currently amended): The device according to claim 17, ~~characterized in~~
~~that~~ wherein a working chamber which is formed by said piston and cylinder
portions is ring-shaped.

Claim 19 (currently amended): The device according to claim 16, ~~characterized in~~
~~that~~ wherein the liquid supply means includes an external pump having at least one
supply conduit ~~(-s)~~ debouching in ~~any element from the group: a cylinder wall, a~~
~~crankcase, a piston wall.~~

Claim 20 (currently amended): The device according to claim 19, ~~characterized in~~
~~that~~ wherein the liquid supply means includes any liquid pump such as: ~~for~~
~~example~~ a gear type pump, a reciprocating piston pump, an impeller pump, a screw
pump or a rotary piston pump.

Claim 21 (currently amended): The device according to claim 16, ~~characterized in~~
~~that~~ wherein the piston includes a valve device which is preset to balance the liquid
pressure in the area of the sealing ring.

Claim 22 (currently amended): The device according to claim 21, ~~characterized in that~~ wherein the valve device is set to limit the pressure to about 80 – 100% of the pressure inside the pressure chamber.

Claim 23 (currently amended): The device according to claim 21, ~~characterized in that~~ wherein the valve device ~~is comprised of~~ includes a portion of the sealing ring in co-operation with its seat.

Claim 24 (currently amended): The device according to claim 23, ~~characterized in that~~ wherein said portion of the sealing ring is a ring surface directed from the pressure chamber which is arranged to co-operate with a surface of said seat.

Claim 25 (currently amended): The device according to claim 23, ~~characterized in that~~ wherein said portion of the sealing ring is an edge portion directed radially from the element ~~it~~ said portion is intended to seal against.

Claim 26 (currently amended): The device according to claim 16, ~~characterized in that~~ wherein the piston includes at least one outlet channel for liquid.

Claim 27 (currently amended): The device according to claim 16, ~~characterized in that~~ wherein the valve device is a pressure controlled valve which is separate from the sealing ring.

Claim 28 (currently amended): The device according to claim 16, ~~characterized in~~ further comprising a sealing device for sealing between the piston and the cylinder in a position opposite to the sealing ring as seen from the position of liquid supply means.

Claim 29 (previously presented): The device according to claim 28, wherein said sealing device is formed by a first, high pressure seal member and a second, low pressure seal, and an intermediate space having a fluid outlet.